

TRZERSKI, A.; JUNG, M.

Further studies on central effect of 5-hydroxytryptamine (serotonin).
Acta physiol. polon. 10 no.2:271-273 Mar-Apr 59.

1. Z Zakladu Fizjologii Czwieka A.M. w Warszawie Kierownik: prof. dr
Fr. Czubalski.

(SEROTONIN, eff.
on brain (Pol))

(BRAIN, eff. of drugs on,
serotonin (Pol))

EXCERPTA MEDICA Sec 2 Vol 12/8 Physiology Aug 59

3780. ON THE EFFECT OF SEROTONIN (5-HYDROXYTRYPTAMINE) ON THE
HYPOTENSIVE ACTIVITY OF HISTAMINE - Trzebski A. Lab. of
Human Physiol., Sch. of Med., Warsaw - BULL. ACAD. POL. SCI. C1.2
1958, 6/10 (441-444) Graphs 1

The effect of 5-HT (30-60 $\mu\text{g./kg.}$) on the hypotensive activity of histamine (0.25-1.0 $\mu\text{g./kg.}$) was studied on 20 bilaterally vagotomized cats in chloralose anaesthesia. Blood pressure was registered in the common carotid artery. the compounds injected were introduced into the femoral vein or inferior vena cava (with the aid of a catheter inserted through the femoral vein) or 5-HT was introduced alternately into the left ventricle and the aorta with the aid of 2 catheters. When 5-HT produced hypotensive effects, a 5-HT-histamine mixture in ratios ranging between 40:1 and 300:1 produced considerably smaller effects than histamine alone. I.v. administration of histamine during slow infusion of 5-HT caused the hypotensive effects of the former to become substantially reduced or altogether abolished. The phenomena could be observed also in decapitated cats with destroyed spinal cord, after pharmacological blocking of transmission in vegetative ganglia or in bilaterally adrenalectomized animals. The described effects occur irrespective of whether the substance is introduced into the left ventricle or into the descending aorta.

Keller - Zurich

TRZEBSKI, A.

"Researches Concerning Changes of Some Morphotic Elements in the Capillary Area of
the Blood of Students During Studies and Examinations." P. 213,
(ACTA PHYSIOLOGICA POLONICA, Vol. 5, No. 2, 1953, Warszawa, Poland.)

1. The purpose of the present study was to determine the changes in the capillary area of the blood of students during studies and examinations.

TRZEBSKI, A.
EXCERPTA MEDICA Sec.2 Vol.9/11 Physiology, etc. Nov56

5108. TRZEBSKI A. Zakt. Fizjol. Człowieka A.M., Warszawa. *O działaniu soli żółciowych na angioreceptory jelita cienkiego. Action of bile salts on angioreceptors of the small intestine POL. TYG. LEK. 1956, 11/21 (948-950) Graphs 2

Bile salts introduced into the arteriole which supplies the loop of the small intestine in cats, isolated as to circulation and innervated, induce a reflex increase of pressure up to 50 mm./Hg as well as the deepening and acceleration of respiratory movements. The threshold doses for Na glycocholate and taurocholate amount to about 0.5-1.0 ml. 1/20 M-1/40 M of the solution. Na dehydrocholate is active in a 10-fold dose. The sectioning of the nerve bundle which supplies the examined loop of the intestine, or the administration of procaine to the isolated circulation within the loop, annihilates the entire effect. Similar changes were shown by applying bile salts to the arteriole of the intestinal loop not isolated as to circulation. Total bile shows a considerably weaker influence. An assumption is put forward on the significance of the reflex in question for the preservation of a normal level of arterial tension and a normal blood supply to the intestines during digestion and absorption.

TRZEBSKI, Andrzej

After-effects during the excitation of the pressor and depressor areas of the reticular formation. Acta physiol. polon. 12 no.1: 24-37 Ja-F '60.

1. Z Zakladu Fizjologii Czlowieka A.M. w Warszawie. Kierownik:
prof.dr Fr. Czubalski.
(BLOOD PRESSURE physiol.)
(BRAIN STEM physiol.)

POLAND / Human and Animal Physiology. Circulation.

T

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 70124

Preliminary injection of novocaine through the catheter prevented the development of the pressor and respiratory reflexes, whereas the injection of pandimide prevented only the BP changes. Bilateral removal of the adrenals did not influence the magnitude of the pressor reflexion. The injection of APS and of dextro of 1:10 ratio into the artery of the head of the rat caused a sharp rise in the

POLAND/Human and Animal Physiology. The Sensory Organs

T-13

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65815

Author : Trzebaski Andrzej

Inst : -

Title : The Effect of the Salts of the Bile Acids on the Angioreceptors of the Small Intestine

Orig Pub : Polski tygod. lekar., 1956, 11, No 2, 948-950

Abstract : Salts of the bile acids injected into the arterioles supplying an isolated loop of the small intestine of a cat produced a reflex rise in blood pressure of up to 50 mm Hg and an increase in the depth and frequency of respiratory movements. The threshold doses for the Sodium salts of glycocholic and taurocholic acids were ~ 0.5--1.0 ml of a 0.5--0.25 M solution. Sodium dihydrocholate exerted an effect in approximately a ten-fold dose. Sectioning the nerve fibers innervating the intestinal loop, or injecting novocaine into the isolated circulation of the loop inhibited the effect. Similar changes were noted when the salts were injected into the

Card : 1/2

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... of an isolated intestinal loop. In the event of a weaker effect. The author puts forward the idea that the reflex is of significance in the preservation of a normal level of arterial pressure and an adequate intestinal circulation during digestion and absorption of food.--Author's

Resume

Card : 2/2

LABORIT, H.; TRZEBSKI, A.; MOYNIER, G.; GUIOT, G.

Studies on neuromuscular irritability and attempted therapy of rats
to irradiated with radiocobalt. Acta physiol. polon. 8 no.3:408-410 1957.

1. Z Centre d'Etudes Scientifiques de l'Homme CMRS Paris Kierownik: prof.
G. Soula.

(COBALT, radioactive,
eff. of neuromusc. irritability in rats (Pol))
(MYONEURAL JUNCTION, effect of radiations,
radiocobalt on irritability in rats (Pol))

LABORIT, H.; MOYNIER, R.; TRZEBSKI, A.; GUIOT, G.; BARON, C. (z pomocn techniczna J. Etienne)

Effect of interstitial ionic composition on swimming tests in white rats. Acta physiol. polon. 8 no.3:411-412 1957.

1. Z Centre d'Etudes Scientifiques de l'Homme CNRS w Paryżu Kierownik: prof. C. Soula.

(POTASSIUM, metabolism,
eff. on fatigue in swimming test in white rats (Pol))

(SODIUM, metabolism,
same)

(FATIGUE,
eff. of potassium & sodium metab. on fatigue in swimming
tests in white rats (Pol))

TRZEBSKI, A.; JUNG, M.

Role of the adrenals in hypotension in hypothermia in cats. Acta physiol. polon. 8 no.3:554-556 1957.

1. Z Zakladu Fizjologii Czlowieka A. M. w Warszawie Kierownik: prof. dr Fr Czubalski.

(HYPOTHERMIA, effects,
hypotension in cats, role of arterenol & epinephrine (Pol))
(ARTERENOL, physiology,
in hypotension induced by hypothermia in cats (Pol))
(EPINEPHRINE, physiology,
same)
(HYPOTENSION, experimental,
hypothermia induced, role of arterenol & epinephrine (Pol))

TRZEBSKI, Andrzej

Central and peripheral action of bile salts on the circulatory system. Acta physiol. polon. 7 no.1:19-43 1956.

1. Z Zakladu Fizj. Czlowieka A M w Warszawie. Kierownik prof. dr. Fr. Czubalski.

(CARDIOVASCULAR SYSTEM, effect of drugs on, bile salts, central & peripheral admin. (Pol))

(BILE ACIDS & SALTS, effects, on cardiovascular system, central & peripheral admin. (Pol))

EXCERPTA MEDICA Sec.2 Vol.10,5 Pny.Biochem. June 57

2538. TRZEBSKI A. Zakł. Fizjol. Człowiek A.M., Warszawa. *Badania nad angiorecepcją metodą cewnikowania dużych naczyń. Investigations on angioreception by catheterization of large vessels ACTA PHYSIOL. POL. 1956, 7/3 (299-318) Graphs 10

The method of investigation of chemoreflexes from angioreceptors without circulatory isolations is described. The investigated compounds were introduced by a thin catheter at various levels of aorta, to the iliac arteries, to the portal vein and at the level of the coronary arteries. Procaine abolishes the reflex effects and azamethonium removes the pressor component of the reflex, the hyperpnoea being left. An increase of the magnitude of reflex to KCl in particular the respiratory effect, is found as the outlet of the catheter is moved to the lower segments of the abdominal aorta and near the ramification. The reflex effect from this region does not depend upon the glomus coccygeum and iliac arteries. Bilateral removal of the adrenals does not prevent the pressor reflex reactions but it eliminates increases of the pressure due to a direct stimulation of adrenal medulla by KCl and ACh. Dihydroergotamine abolishes but does not invert the pressor reflex reaction. ACh and ATP do not show a distinct reflex action by the catheterization method. ATP given through a catheter at the level of the coronary arteries produces the Bezold-Jarisch reflex. Bilateral vagotomy always prevents the occurrence of this reflex but it does not abolish the decrease of pressure following ATP, which lasts even longer. The pressor reflexes from the region of the portal vein and the hepatic circulation to KCl and KCN are very indistinct.

TRZEBSKI A. Dec. 2 Vol. 10/9 Phy. Biochem. Sept. 57

3933. KORDECKI R. and TRZEBSKI A. Zakł. Fizjol. Człowieka A. M., Warszawa.
" O działaniu na układ krążenia histaminy wprowadzonej metodą cewnikowa-
nia serca i aorty. Circulatory effects of histamine introduced
by catheterization into the heart and aorta ACTA PHYSIOL.
POL. 1956, 7/4 (421-433) Illus. 6

In 15 dogs weighing 8-16 kg., under i.v. thiopental anaesthesia, histamine phos-
phate (5-400 µg. in 1 ml. solution) was introduced into the heart and various seg-
ments of the aorta through flexible catheters previously filled with heparin. The
following conclusions are presented: (1) The latent period of the poathistamine
decrease of blood pressure regardless of the dose introduced into the aorta lasts
3-4 sec.; 12-18 sec. after i.v. introduction and 8-12 sec. after introduction into
the right ventricle. (2) A non homogeneous picture of changes is observed after
introduction of histamine into the left ventricle. Type I - the extent and the latent
period do not differ from its introduction into the aorta. Type II - changes last

3933

CONT.

fyng to the appearance of heart paralysis in diastole, increase of systolo-diastolic amplitude and slowing of the heart rate develop. Type III occurs irregularly and only with larger doses. (3) After introduction of histamine into the coronary circulation, negative inotropic and chromotropic effects are observed on analysis of the pressure curve. (4) The post-histamine character of the drop in the pressure curve changes from monophasic to biphasic if histamine has been introduced into the aorta just below the coeliac artery.

(II, 18)

TRZEBSKI A. Soc. Vol. 11/12 Phy. Biochem. Dec. 57

5361. TRZEBSKI A. Dept. of Human Physiol., Sch. of Med., Warsaw. *The effect of cholic salts on the adrenal medulla and the adrenergic system BULL. ACAD. POLON. SCI. 1957, 5/1 (25-29) Graphs 7

In 34 cats anaesthetized by i.v. urethan administration a typical effect was induced by bile salts introduced into the adrenal circulation. When the bile salts were introduced into the cerebral circulation there was a contraction of splanchnic vessels and a rise in blood pressure which persisted after bilateral adrenalectomy. However, both were considerably depressed after both splanchnic nerves had been severed. The bile salts also stimulated the angioreceptors of a loop of the small intestine, causing a rise in blood pressure and rate of respiration. Adrenaline and noradrenaline diminished or suppressed the hypotensive effect of bile salts administered i.v.

Steyn - Pretoria

SECRET, 1.

SECRET

Vol. 5, No. 1, 1951

Monthly List of East European Accessions

SO: Monthly List of East European Accessions, (HEAL), 15, Vol. 5, No. 10 Oct. 50

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756910008-4

APPROVED FOR RELEASE: 03/14/2001

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CIA-RDP86-00513R001756910008-4

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756910008-4"

KORDECKI, Roman; TRZEBSKI, Andrzej

Effect of histamine introduced by catheterization into the heart and aorta on the circulatory system. Acta physiol. polon. 7 no.4:421-433 1956.

1. Z Zakladu Fizjologii Czlowieka A.M. w Warszawie.

Kierownik: prof. dr. Fr. Czubalski.

(CARDIOVASCULAR SYSTEM, eff. of drugs on histamine on circ., introduced by catheterization in dogs (Pol))

(HISTAMINE, eff. on cardiovasc. circ., introduced by catheterization in dogs (Pol))

met ✓ The central pressor effect of histamine. A. Trzebski
(School Med., Warsaw). *Bull. acad. polon. sci. Classe II.*
4, 151-4 (1956) - When histamine was introduced into the
common or internal carotid artery of dogs, after denervation
of the adjoining receptor area, a double response in blood
pressure consisting of hypertensive and hypotensive phases
was obtained. Barbitol narcosis abolished partly or com-
pletely the hypertensive phase. The hypertensive phase
was regular and clearly apparent in animals which received
d-tubocurarine instead of narcotics. When histamine was
introduced into the cerebral circulation, the intensity and
the duration of the pressure drop in the phase of peripheral
action were less marked than the respective peripheral

effect after intravenous injection. Benadryl introduced
intravenously abolished the hypertensive effect. Dihydro-
ergotamine injected intravenously abolished the hyperten-
sive effect of histamine and prolonged the hypotensive
phase.

M. W. Smith

10-1111-1010001

Studies on angioreception by means of catheterization of large vessels. Acta physiol. polon. 7 no.3:299-318 1956.

1. Z Zakladu Fizjologii Czlowieka A.M. w Warszawie Kierownik:
prof. dr. Fr. Czubalski.

(CARDIOVASCULAR SYSTEM, effect of drugs on,
reflexes to various drugs, studies by catheterization
(Pol))

TRZEBSKI, Andrzej

Action of bile salts on angioreceptors of the small intestine.
Polski tygod. lek. 11 no.21:948-950 21 May 56.

1. Z Zakladu Fizjologii Czlowieka A.M. w Warszawie; kierownik:
prof. dr. Fr. Czubalski. Warszawa ul. Krak. Przedmiescie 26/28
Zaklad Fizjologii Czlowieka A.M.

(INTESTINE, SMALL, effect of drugs on.

bile salts, admin. into suppleting nictarolm (Pol)

and a series with other after the

TRZEBSKI, Andrzej

Investigations on the mechanism of reflex changes of arterial pressure and of respiration following stimulation of mechanoreceptors of the gallbladder and of the bile ducts. Acta physiol. polon. 5 no.4:399-403 1954.

1. Z Zakladu Fizjologii Czlowieka Akademii Medycznej w Warszawie.
Kierownik: prof. dr Fr. Czuhalski.

(BILIARY TRACT, physiology,
eff. of stimulation on blood pressure & resp.)
(BLOOD PRESSURE, physiology,
eff. of biliary stimulation)
(RESPIRATION, physiology,
eff. of biliary stimulation)

TRZEBSKI, Andrzej

Effect of acetylcholine on irritation of vascular chemoreceptors of the small intestine by adrenaline. Acta physiol. polon. 5 no.4:551-554 1954.

1. Z Zakładu Fizjologii Człowieka Akademii Medycznej w Warszawie.
Kierownik: prof. dr Fr.Czubalski.

(ACETYLCHOLINE, effects,

on intestinal vasoreceptor reaction to epinephrine)

(EPINEPHRINE, effects,

on intestinal vasoreceptors, eff. of acetylcholine on reaction)

(INTESTINE, SMALL, effect of drugs on,

epinephrine, eff. of acetylcholine on reaction of vasoreceptors)

TRZEBSKI, Andrzej

Reflex changes of arterial pressure in respiration during irritation
of mechanoreceptors of the gallbladder and bile ducts. Acta physiol.
polon. 5 no. 1:100-120 1956.

(BILIAN) PHYSIOLOGY, physiology,
eff. of biliary stimulation)
(RESPIRATION, physiology,
eff. of biliary stimulation)

TRZEBSKI, Andrzej

Studies on certain morphotic elements in peripheral blood in students during the period of intensive studies and examinations. Acta physiol. polon. 5 no.2:213-228 1954.

1. Z Zakladu Fizjologii Czlowieka Akademii Medycznej w Warszawie.
Kierownik: prof. dr Fr. Czubalski.

(LEUKOCYTE COUNT,

eff. of intensive studies & examination stress in students)

(EOSINOPHIL COUNT,

eff. of intensive studies & examination stress in students)

(SCHOOLS,

eff. of intensive studies & examination stress on eosinophil & leukocyte counts in students)

(LEARNING,

eff. of intensive studies & examination stress on eosinophil & leukocyte counts in students)

TRZEBSKI, Andrzej

Studies on the central effect of neurohormones. I. Local effect of adrenalin, noradrenalin and monoamine oxidase inhibitors on the excitability and bio-electric activity of cardiovascular centers of the hypothalamus and the reticular formation of the brain stem. Acta physiol. polon. 12 no.6:793-811 '61.

1. Z Zakladu Fizjologii Czlowieka AM w Warszawie Kierownik: prof. dr W. Missiuro.

(EPINEPHRINE pharmacol) (NOREPINEPHRINE pharmacol)
(MONOAMINE OXIDASE INHIBITORS pharmacol)
(HYPOTHALAMUS pharmacol) (BRAIN STEM pharmacol)
(VASOMOTOR SYSTEM pharmacol)

CHRONIC 1, 2

U.S.A., MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, Vol. 3, No. 4, APRIL 1954, Moscow (1954)
"Organization and activities of the Institute of Municipal Economy, Bulletin" No. 1

60: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, APRIL 1954

[illegible]

BC

1:3-Diazine-1:2:2-trimethylcyclopentane.
J. Somo and F. THOMAS (Ann. Chem., 1937,
27, 106--110).—1:3-Diazine-1:2:2-trimethyl-
cyclopentane, m.p. 151° (lit. 154°) (carbonate, +H₂O,
m.p. 124°; dihydrate, m.p. 173°), is prepared by
hydrolysis of the corresponding 1:3-diazine, prepared
from camphoric acid.
R. T.

ASB. SLA METALLURGICAL LITERATURE CLASSIFICATION

PROCESS AND PROPERTIES INDEX																																																																																																																																																																																																									
1,3-Diamino-1,2,2-trimethylcyclopentane. J. Szekci and F. Trzebnicki. <i>Roczniki Chem.</i> 17, 105-10 (in Ger- man 110) (1937).—Camphoric acid was transformed into 1,3-diamino-1,2,2-trimethylcyclopentane (I) m. 141°. by 2 different methods. This prepn. becomes stable when standing in the air, forming a substance, m. 124 5° which was proved to be a hydrate of the <i>N,N'</i> -decarb- ethoxy deriv. of I. For characterizing the compd. its salts were prepd. M. Wojciechowski																																																																																																																																																																																																									
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TRZECIĄK, Bruno

13120* (Powder Gas Cutting, Its Development and Ap-
plication) Entwicklung des Pulverbrennschneidens und
seine Anwendung. Bruno Trzeciak Metallurgie und Eisenwerk
Technol. 1984, 11, 179-182

LEDOCHOWSKI, Zygmunt; WOLSKI, Alojzy; LEDOCHOWSKI, Andrzej; TRZECIAK,
Henryk

Research on tumor inhibiting compounds; synthesis of 6-di
(2'-chloroethyl) aminouracil. Roczniki chemii 37 no.9:1083-1084 '63.

1. Department of Chemistry and Technology of Drugs, Technical
University, Gdansk.

*

TRZECIAK, J.

Construction in rural areas in the light of building permits. p. 3.

BUDOWNICTWO WIEJSKIE. (Ministerstwo Rolnictwa i Ministerstwo Panstwowych Gospodarstw Rolnych) Warsaw, Poland. Vol. 11, no. 11, Nov. 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

Books of the district architectural construction and design.

P. 10. (BUDOWNICTWO WILKURIE) (Warszawa, Poland) Vol. 10, no. 1, Jan. 1958

90: Monthly Index of East European Accession (S. 1, 10 Vol. 1, no. 1, 1958

TRZECIAK, P.

TRZECIAK, P. Under the sign of the jubilee and of the care for historical monuments; 2d Conference of the District Polish Tourist and Country Lore Association in Zielona Gora. p. 22.

Vol. 20, no. 8, Aug. 1956
TURYSTA
Poland

So: East European Accession, Vol. 6, No. 5, May 1957

TRZECIAK, P.

Against deviations in activities of the Polish Tourist and
Country Lore Association. P. 22. TURYSTA. (Polskie Towar-
zystwo Turystyczno-Krajoznawcze) Warszawa. No. 6, June 1956.

SOURCE:

East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 11, August 1956.

CZAYKOWSKI, Leszek E.; TRZECIAK, Wanda

Remote results of joint excision in tuberculosis of the knee in children. Gruzlica 29 no.6:543-549 Je '61.

1. Z Sanatorium Gruzlicy Kostno-Stawowej Im. J. Krasińskiego w Olwoku
Działalność naukowa i dydaktyczna

TRZECIAK, Z.; KNABE, W.; JASTRZBSKI, L.

Model tests on the bearing capacity of soil strengthened with a horizontal diaphragm placed at a certain depth under the model foundation.

ROZPRAWY HYDROTECHNICZNE. (Polska Akademia Nauk. Instytut Budownictw Wodnego)
Warszawa, Poland. no.4, 1958

Monthly List of East European Accessions Index, (EEAI) LC, Vol.8, no.6†
June 1959
Uncl

TRACIA, Z/Grant, Agr Inc.

Use of heavy machinery and equipment in the
settling. This had all been done by the

Economic importance of pectin and its production in Poland. M. Winiak and Z. Twardy. (Zaklad Badawczy Centrali Ogrzewnictwa, Warszawa). Prace Zakladu Badawczy Centrali Ogrzewnictwa, 335-8 (1950).--The methods of the production of pectin are reviewed and the specific problems of raw materials, technological methods of production, and applications of pectin are discussed. W. Szymbalski

TRZECIŃSKI, TYTUS

Młocka. Wyd.2. Warszawa, Państwowe Wydawn. Rolnicze i Lesne, 1954

P. 40 (Threshing 2nd ed.)

TRZECKI, Stanislaw

Influence of late supplementary feeding through the leaves with mineral
fertilizer solutions upon the amount and quality of the crops of sugar beets.
Pt. 1. Rocznik nauk rolniczych 86 no.1:31-55 '62

1. Katedra Ogólnej Uprawy Rolniczej i Roslin, Szkoła Główna Gospodarstwa
Wiejskiego, Warszawa.

TRZECKI, Stanislaw

Comparison of various ways and terms of top dressing fertilization (ordinary and foliar) of spring barley and winter wheat. Rocz nauk roln rosl 87 no.1:41-61 '62.

1. Katedra Ogolnej Uprawy Roli i Roslin, Szkola Glowna Gospodarstwa Wiejskiego, Warszawa. Kierownik: prof. dr M. Birecki.

TEZECKI, Stanisław

Comparison of various ways and terms of top dressing fertilization (ordinary and foliar) of spring barley and winter wheat. Roczn. nauk roln. rosl 87 no.1:41-61 '62.

1. Katedra Ogólnej Uprawy Roln i Roslin, Szkoła Główna Gospodarstwa Wiejskiego, Warszawa. Kierownik: prof. dr M. Birecki.

TRZECKI, Stanislaw

Influence of late, ordinary, and supplementary foliar fertilization on the yield, starch content, and size of Dar variety potatoes. Rocz nauk roln rosl 86 no.4:615-626 '62.

1. Katedra Ogolnej Uprawy Roli i Roslin, Wyzsza Szkola Gospodarstwa Wiejskiego, Warszawa.

TRZFCZCZYNSKI, J.

Remarks on the index of contraction of the work norm, p.286
(PRZEGŁAD KOLEJOWY DROGOWY, Vol. 8, No. 12, Dec. 1956, Warsaw, Poland)

SO: Monthly List of East European Accesssions (FEAL) LC, Vol. 6, No. 9, Sept. 1957, Uncl.

KURSKI, Longin; TRZEMZALSKI, Henryk

Electric equipment of the gantry crane in the Komuna Paryska
Shipyard in Gdynia. Bud okretowe Warszawa 9 no.11:401-404
N '64.

1. Technical University, Gdansk (for Kurski). 2. Prozamet,
Gdansk (for Trzemzalski).

KURSKI, Longin, doc., TRZYMIALSKI, Henryk, inż.

Electric drive systems for the lifting mechanisms of the gantry cranes of Gdynia Shipyard with a lifting capacity of Q= 2 X 250 T. Bud okretowe Warszawa 9 no.12:434-436, 437 D 164,

1. Technical University, Gdansk (For Kurski). 2. Prodomat, Gdansk (For Trzymalski).

TRZENSKI, E.; WELKENS, T.

"Casting Brass in Greensand Molds." p.93
(PRZEGLAD ODLEWNICTWA Vol. 3, no. 3, March 1953 Krakow, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

ACA

11 17 1951

Practical experiments with leadless and boron-free glazes as applied to the production of porcelain. CIESLAW IANKOWICZ. *Szkoła Ceram.* 2 [4] 87 (1) (1951). T gives empirical formulas and batch compositions for various glazes based on W. Seger's findings. T concludes that leadless and boron free glazes can be represented by a formula varying between the following limits: KNaO 0.20 to 0.30, CaO 0.25 to 0.35, MgO 0.08 to 0.16, BaO 0.15 to 0.30, ZnO 0.04 to 0.12, Al_2O_3 0.15 to 0.25, and SiO_2 1.5 to 2.3. Some of the findings were used successfully in mass production. Faultless results were obtained when the glazes were fired between Seger cones 1a and 6a. A D I

BC

A-3

Pyrene series. II. K. Dzwonowski and P. Tarnowski (Bull. Acad. Polonaise, 1937, A, 579-582; cf. A., 1939, II, 285).—Pyrene, EtOCl , and AlCl_3 in PhNO_2 at 16–21° give 2-propionylpyrene, m.p. 84–85° (picrate, m.p. 156–5°), the orientation of which is proved by conversion of its amine, m.p. 102–103°, by $\text{HCl}-\text{Ac}_2\text{O}$ into 2-propionamido-pyrene, m.p. 231–232°, hydrolyzed to 2-aminopyrene. With MgMeI the ketone gives 2- β - Δ^2 -calonylpyrene, m.p. 75–76° (picrate, m.p. 140–141°).
R. S. C.

ASS-36A METALLURGICAL LITERATURE CLASSIFICATION

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TRZESIMIECH, Jan, mgr. inż.

"Training grate boiler firemen" by Roman Zyzak. Reviewed by
Jan Trzesimiech. Energetyka Pol 16 no.6:Suppl.:Biul Instytut
Energet 4 no.5/6:3 of cover Je '62.

Trzesinski, Piotr

POLAND/Chemical Technology - Chemical Products and Their
Application - Leather. Fur. Gelatin. Tanning Agents.
Technical Proteins.

I-29

Abs Jour : Referat Zhur - Khimiya, No 9, 1957, 33111

Author : Trzesinski Piotr

Inst : Gdynia Institute of Pelagic Fishery

Title : Tanning of Fish Skins

Orig Pub : Prace Morsk. inst. ryback. Gdyni, 1955, 8, 335-374

Abstract : A new procedure has been worked out for the production of leather from fish skins (of cod, flounder, shark). Methods of primary treatment and sorting are described. A detailed account is given of the conditions of soaking, liming, bating, tanning (single chrome, vegetable and vegetable-syn-tan), and other operations.

Card 1/1

POLAND / Chemical Technology. Chemical Products and Their
Application. Food Industry.

I-30

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, No 10441

Author : Borowik, J., Fischer, E., Ostrowski, S., and Trzesinski, P.
Inst : Not given

Title : Investigation of the Effect of Nitrite-Containing Ice on
the Preservation and Quality of Baltic Codfish.

Orig Pub : Przem. spozywczy, 1956, Vol 10, No 7, 282-283

Abstract : Nitrite-containing ice prolongs the freshness of fish by
24-48 hrs, depending on the type of fish. The fish must be
cleaned and packed in ice as soon as they are caught. The
utilization of nitrite ice, containing on the average 0.1%
 NaNO_2 , in the proportion of 75 parts of ice to 100 parts of
fish at a temperature of $\sim 10^\circ$ results in a maximum NaNO_2
content in the fish which varies over a wide range, depen-

Card : 1/2

POLAND / Chemical Technology. Chemical Products and Their
Application. Food Industry.

I-30

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, No 10441

Abstract : The amount of nitric acid production from the
gas in the acid, the amount of nitrogen, and the ratio
of the acid to the gas.

Card : 2/2

POLAND

TRZESNIEWSKA-WILK, Maria, mgr.

Analytical Department, Institute of Pharmacy (Zakład Analityczny Instytutu Farmaceutycznego), Warsaw.

Warsaw, Chemia analityczna, No 6, November-December 1965, pp 1373-1375.

"Determination of methoxy and ethoxy groups in organic compounds."

TRZETRZEWINSKI, S.

Accuracy of electric measurements. p. 49.

ELEKTRYKA. (Politechnika Gdanska) Poznan, Poland
No. 3, 1958.

Monthly list of East European Accessions Index (EEAI), LC, Vol. 8, no. 6,
June 1959
uncla.

(S) 000

EXCERPTA MEDICA Sec 8 Vol 13/5 Neurology May 60

2455. OSTEOSIS EBURNISANS UNILATERALIS (RHEOSTOSIS CRANII, VERTEBRARUM ET THORACIS) (Polish text) - Trzetrzewinski W. Zakl. Radiol. Lek. A. M., Łódź - POL. PRZEGL. RADIOL. 1959, 23/1 (11-14) Illus. 3

The author presents a case of unilateral osteosclerotic bone changes in 28-year-old epileptic woman. The changes were located on the left side of the body (left half of skull, atlas and epistropheus, and of the vertebrae D3 and D4, left III-IV ribs and left clavicle). Microscopical slides of the hypertrophied clavicle revealed normal compact bone tissue.

Marciniak - Wrocław (XIV, 8, 19)

TRZETRZEWINSKI, WLADYSLAW

TRZETRZEWINSKI, Wladyslaw

Changes of radiological picture of osteomyelitis after penicillin therapy. Polak pregl. radiol. 12 no. 1: 2 Jan-Mar 55.

1. Lody, Zaklad Radiologii Lab. Ak.Hod.

Pracownia Radiologii

Pracownia Radiologii

Pracownia Radiologii

PIEKARDZYK, Kazimierz, mgr inż.; TRZEWICZEK, Marian, inż.

Problem of quality of steel for seamless conductor tubes.
Hutnik ~~1978~~ 1978:256-264, JI-Ag. '62.

1. Kuta im. Bieruta.

TRZHASKOVSKIY, Vatslav Vladimirovich; MORSHCHIKOV, V.D., redaktor; KIRSANOVA,
N.A., tekhnicheskii redaktor

[Workers' shop meetings] Rabochie sobrania v tsekhe. [Moskva]
Izd-vo VTsSPS "Profizdat," 1957. 44 p. (MIRA 10:7)

1. Predsedatel' tsekhkoma trubosvarochnogo tsekha Dnepropetrovskogo
truboprokatnogo zavoda imeni V.I.Lenina
(Works councils)

ТОВАРИСТВО, В.

Word from the shop personnel, Rev. prefecture 3 no. 314-21 My 197.
(Dnepropetrovsk--Rolling mills) (MLA 10:6)

TRZHEBSKIY, A.

POLAND / Pharmacology, Toxicology, Histamine and Anti-histaminic Agents.

U-4

Abs Jour : Referat Zh.-Biol., No 1, 1958, No 3408

Author : Trzhebskiy, A.

Inst : Not given

Title : Central Hypertensive Effect of Histamine

Orig. Pub. : Biol. Bull. Acad. Sci., 1958, 101, 1, 1-3, 100-101

an increase in blood pressure followed by a decrease.
The phase of increased pressure was more pronounced in curarized dogs and was less distinct in dogs under barbiturate narcosis. The hypotensive action of histamine was less pronounced when it was injected into arteries of the

Card : 1/2

DENISOV, G.G.; TRZHENSI MEKH, V.I.

Features of the exploitation of wells in fractured reservoir rocks.
Nefeprom, delo no.5:15-17 '64. (MIRA 17:9)

1. Volgogradskiy nauchno-issledovatel'skiy institut neftyanoy i
gazovoy promyshlennosti.

DENISOV, G.G.; TRZHENSHENKI, V.I.

Improving exclusion-repair work in the fields of Volgograd Province.
Nauch.-tekhn. sbor. po dob. nefti no.22:79-81 '64. (MIRA 17:9)

1. Volgogradskiy nauchno-issledovatel'skiy institut neftyanoy i
gazovoy promyshlennosti.

KALECHITS, I.V.; SALINGAREYEVA, F.G.; TRZHTSINSKAYA, B.V.; IVANOVA, M.F.

Chemistry of the transformation of simple ethers in liquid-phase
hydrogenation. Izv.Sib.otd.AN SSSR no.4:54-60 '61. (MIRA 14:6)

1. Vostochno-Sibirskiy filial Sibirskogo otdeleniya AN SSR, Irkutsk.
(Ether)
(Hydrogenation)

TRZHETSETSKAYA, T. A.

22622 Dezinfectsiya Pachvy Pri Sibirskoy Yazve. Veterinariya, 1949, No. 7,
 S. 44-46

SO: Letopis' 30, 1949

"Disinfection of Soil in Anthrax"

Sci.Res. Veterinarno-Sanitary Laboratory, City Vet. Dept., Moscow City
Executive Committee

ВЕТЕРИНАРИЯ, 1951, 7, 48.
ВМОУТИН, Е.В., and ТИХОМИРОВА, Т.А., ~~Сот. Работы~~
Ал-Ланс. Исслед. ин-т. Вет. Санитация и Дезинфекция.
"Experience of the work with mechanized mobile unit for
disinfection with hot solutions."
SO: Veterinariia 28(7), 1951, p. 48

TRZHETSETSKAYA, T.A.

Preventive disinfection of miscellaneous animal bones. Gig. 1
san. no.7:50 JI '54. (MLBA 7:8)

1. Iz Vsesoyuznoy nauchno-issledovatel'skoy laboratorii veterinar-
noy sanitarii i dezinfektsii Ministerstva sel'skogo khozyaystva SSSR.
(DISINFECTION AND DISINFECTANTS)

TRZHETSETSKAYA, T.A.; KRASNOBAYEV, I.K.

Disinfection of bristle and hair by-products. Veterinariia 32
no.2:75 F '55. (MLRA 8:3)

1. Vsesoyuznaya nauchno-issledovatel'skaya laboratoriya veteri-
narney sanitarii i dezinfektsii Ministerstva sel'skogo khozyay-
stva SSSR.

(BRISTLES) (HAIR) (DISINFECTION AND DISINFECTANTS)

TRZHEVTSKAYA, T.A., nauchnyy sotrudnik

Studies on disinfection in malignant anthrax. Trudy VNIIVSE
12:183-187 '57. (MIRA 11:12)

1. Laboratoriya dezinfektsii Vsesoyuznogo nauchno-issledovatel'-
skogo instituta veterinarnoy sanitarii i ektoparazitologii.
(ANTHRAX) (DISINFECTION AND DISINFECTANTS)

...
"Introduction to Antibiotics," Moscow, 1957, 16 pp (Moscow Technological
Institute of the Meat and Dairy Industry), 140 copies (KL, 35-57, 108)

KRASNOBAYEV, I.K., kand.vetnauk; TRIZHITSKAYA, T.A., nauchnyy sotrudnik

Disinfection of hair and bristles. Trudy VNIIVSE 13:33-44
'58. (MIRA 11:12)

(Hair--Disinfection) (Bristles--Disinfection)

ARKHIPOV, V.V., kand. vetnauk; TRZHETSETSKAYA, T.A., nauchnyy sotrudnik

Studies on the disinfection of buildings in anthrax. Trudy
VNIIVSE 13:44-49 '58. (MIRA' 11:12)
(Anthrax) (Lime, Chloride of)

ARKHIPOV, V.V., kand. vetnauk; TRZHEBETSKAYA, T.A., nauchnyy sotrudnik

Testing acidified solutions of sodium silicofluoride and
hydrogen peroxide for disinfecting skins and hides. Trudy
VNIIVSE 13:21-26 '58. (MIRA 11:12)
(Hides and skins--Disinfection) (Silicon fluorides)
(Hydrogen peroxide)

POLYAKOV, A.A., prof.; CHEPUROV, K.P., prof.; ARBUZOV, K.N., dotsent;
TRZHETSETSKAYA, T.A., mladshiy nauchnyy sotrudnik

Disinfecting seeds with nitrogen dioxide. Zashch. rast. ot vred.
1 bol. 5 no.4:38-39 Ap '60. (MIRA 13:9)
(Seeds--Disinfection) (Nitrogen oxides)

PHASE I BOOK EXPLOITATION

SOV/4020

Aviamodelizm; sbornik statey. Posobiye dlya rukovoditeley aviamodel'-nykh kruzhkov i uchiteley (Aircraft Modeling; Collection of Articles. Textbook for Instructors of Model Aircraft Clubs and Teachers)
Moscow, Uchpedgiz, 1960. 141 p. 12,000 copies printed.

Compilers: E.B. Mikirtumov, Candidate of Technical Sciences, and
M.S. Lebedinskiy, Candidate of Technical Sciences; Ed.:
A.Ye. Stakhurskiy; Tech. Ed.: V.I. Korneyeva.

PURPOSE: This book is intended for instructors and directors of model airplane clubs sponsored by DOSAAF (All-Union Voluntary Society for Promotion of the Army, Navy, and Air Force).

COVERAGE: The book consists of 47 articles covering various aspects of model aircraft design, construction and operation. The text contains many illustrations and diagrams. No personalities are mentioned. There are 185 references, all Soviet.

TABLE OF CONTENTS:

11. For the following, write the number of the correct answer.

Aircraft Modeling (Cont.)

SOV/4020

PART ONE. DESIGN AND CALCULATION OF FLYING MODELS

Kostenko, I. Aerodynamic Calculation for a Model Airplane	7
Vasil'yev, A. Aerodynamics of the Wing of a Model Airplane	15
Terekhov, A. Designing Model Airplane Airfoils	17
Trzhtsinskiy, A. Optimum Elongation of the Wing	20
Smirnov, E. Choice of Propeller and Rubber Band Propulsion for Flying Model Airplanes	21
Smirnov, E. Special Features of Flight of Models With Reduced Rubber Band Propulsion	25
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Valentinov Yu. Calculating High-Speed Models for Rectilinear Flight	32
Kostenko, I. Table Wind Tunnel	33
Card 2/6	

TRZHEVINSKIY, A.V.

PHASE I BOOK EXPLOITATION

NOV 63 11

Moscow, Mashgiz, 1962. 56 p. Hirata slip inserted. 4000 copies printed.

Reviewer: B. M. Panshin; Ed.: R. A. Nikiforova, Engineer; Tech. Ed.: M. S. Gornostaypol'skaya; Chief Ed.: Mashgiz (Southern Dept.); V. K. Serdyuk, Engineer.

PURPOSE: This book is intended for steam-turbine designers and service and engineering personnel in the steam-turbine industry. It may also be useful as a special textbook for teachers and students specializing in the steam- and gas-turbine industry.

Card 1/2

80V/6341

Strength of Steam Engine Parts

COVERAGE: This book contains material on the structural strength problems of all basic steam-turbine parts. Industrial methods of calculating turbine blades, disks, rotors, diaphragms, housings, etc., some described for the first time, are given. Metal strength and methods for its control are described in detail.

TABLE OF CONTENTS [Abridged]:

Foreword

3

PART I. METALS FOR THE PRINCIPAL PARTS OF
STEAM TURBINES AND PERMISSIBLE STRESSES

Ch. I. Fundamental Properties of Applicable Metals

5

Ch. II. Permissible Stresses

24

40617

S/114/62/000/009/001/003
E200/E484

26.2120

AUTHORS: Trzhetsinskiy, A.V., Engineer,
Shneydman, A.Ye., Candidate of Technical Sciences

TITLE: Determination of the frequencies of bending
vibrations of blades and the critical speeds of
multi-supported rotors

PERIODICAL: Energomashinostroyeniye, no.9, 1962, 8-16

TEXT: There is a need for adaptation to computers of methods of
calculating the free oscillation of twisted blades of the later
stages of large steam and gas turbines and the critical
frequencies of coupled rotor shafts. The authors develop a
mathematical solution for determining natural frequencies of
bending oscillations of straight twisted rods and applies it to
blades and flexibly coupled rotors. The bending moments about
some fixed (x,y,z) axes are

$$\left. \begin{aligned} M_x &= D' \sin 2\varphi \frac{d^2 x}{dt^2} - (S' + D' \cos 2\varphi) \frac{d^2 y}{dt^2}; \\ M_y &= -D' \sin 2\varphi \frac{d^2 y}{dt^2} + (S' - D' \cos 2\varphi) \frac{d^2 x}{dt^2}. \end{aligned} \right\} \quad (1)$$

Card 1/4

S/114/62/000/009/001/003

Determination of the frequencies ... E200/E484

$$\left. \begin{aligned} \frac{d^2x}{dz^2} &= \frac{1}{E(J_x J_y - J_{xy}^2)} (J_x M_y + J_{xy} M_x); \\ \frac{d^2y}{dz^2} &= -\frac{1}{E(J_x J_y - J_{xy}^2)} (J_y M_x + J_{xy} M_y). \end{aligned} \right\} \quad (7)$$

substituting

$$\left. \begin{aligned} M_y &= M_{y0} + \frac{M_{y1} - M_{y0}}{\Lambda_{21}} z; \\ M_x &= M_{x0} + \frac{M_{x1} - M_{x0}}{\Lambda_{21}} z. \end{aligned} \right\} \quad (8)$$

From the above boundary conditions, by integrating Eqs. (7) and (8) with respect to z , we obtain the following expressions for the functions $x(z)$ and $y(z)$. The integration constants are determined from the boundary conditions. The functions $x(z)$ and $y(z)$ are substituted into the boundary conditions (1) and (2) to obtain the following equations for the frequencies ω_x and ω_y :

Card 3/4

Determination of the frequencies ...

S/114/62/000/009/001/003
E200/E484

$$\left. \begin{aligned} Q_{x^n} &= a_{11}Q_{x0} + a_{12}Q_{y0} + a_{13}M_{x0} + \dots + a_{1n}y_0; \\ Q_{y^n} &= a_{21}Q_{x0} + a_{22}Q_{y0} + a_{23}M_{x0} + \dots + a_{2n}y_0; \\ &\vdots \\ y_n &= a_{n1}Q_{x0} + a_{n2}Q_{y0} + a_{n3}M_{x0} + \dots + a_{nn}y_0. \end{aligned} \right\} \quad (23)$$

where a_{ik} - numerical coefficients which can be determined from tables which are included in the article. If a rod has more than two supports then it is necessary to know the boundary conditions at the ends of every span. Knowledge of forces at the ends enables us to find p by successive approximations. Since there may be more than one value of p it is advisable to plot a graph of p against a known boundary force. Two worked numerical examples are given: a blade subjected to twisting moments and a compound rotor. Calculations of critical speeds of rotors can be made very quickly on a Strela-3 or Ural-1 computer. There are 4 figures and 6 tables.

Card 4/4

ACCESSION NR: AP4023731

S/0114/64/000/003/0008/0012

AUTHOR: Shneydman, A. Ye. (Candidate of technical sciences);
Trzhetsinskiy, A. V. (Engineer); Lupilov, L. I. (Engineer)

TITLE: Determining the cantilever-vibration frequency of rotating twisted blades

SOURCE: Energomashinostroyeniye, no. 3, 1964, 8-12

TOPIC TAGS: turbine, turbine blade, twisted blade, twisted blade vibration,
cantilever vibration, twisted blade vibration frequency, blade cantilever vibration

ABSTRACT: The frequency of free vibration of stationary twisted blades was found earlier by the residue method by these authors (Energomashinostroyeniye, no. 9, 1962). In the present article, the method is extended over the case of rotating blades. By regarding the blade as an elastic weightless bar carrying a series of point masses and by considering the vibration component forces, design formulas have been developed and design coefficients estimated (given in two

Card: 1/2

ACCESSION NR: AP4023731

tables). The design procedure lends itself easily to computer programing. An example was calculated on the "Ural-4" computer. The vibration frequencies were estimated as well as experimentally determined for 780-mm and 1,050-mm-long twisted blades, for both stationary and rotating states. The rotation tests "were conducted in a steel vacuum chamber"; the rotor was driven by a variable-speed d-c motor. "Vibrations were set up by a steam jet directed at the blades." The speed was varied within 0-3,300 rpm. Orig. art. has: 4 figures, 11 formulas, and 4 tables.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 15Apr64

ENCL: 00

SUB CODE: PR, AP

NO REF SOV: 001

OTHER: 001

Card 2/2

POLYAKOV, A.A.; TREHUBETSKAYA, I.A. [Trehubetskaya, I.A.]; ARESTOV, K.N.;
AKHMEOVA, A.A.; CHEPUROV, E.P.

Bactericidal action of nitrogen oxides on the vegetative and
sporous forms of *Bac. anthracis*. Mikrobiol. zhur. 24 no.6:
43-45 '62. (SUA 17:5)

1. Voklavskiy sel'skokhozyaystvennyy institut, kafedra mikro-
biologii.

POLYAKOV, A.A.; TRZHEBETSKAYA, T.A.; ARBUZOV, K.N.; CHEPUROV, K.P.;
KUDRINA, N.Y.

Bactericidal effect of nitrogen dioxide on the saprophytic
and pathogenic microflora. Trudy Uz.nauch.-issl.inst.vet.
14:85-89 '61. (MIRA 16:2)
(Bactericides) (Nitrogen oxides)

SHUBENKO-SHUBIN, Leonid Aleksandrovich; GERNER, David Mikhaylovich;
ZEL'DES, Natan Yakovlevich; INGUL'TSOV, Vilor L'vovich;
KOGAN, Vladimir Zel'manovich; POKRASSA, Moisey Iosifovich;
SOBOLEV, Sergey Petrovich; SUKHININ, Viktor Pavlovich;
TRZHETSINSKIY, Anatoliy Vitol'dovich; SHNEYDMAN, Avadiy
Yefimovich; PANSIN, B.M., retsenzent; NIKIFOROVA, R.A., inzh.,
red.; GORNOSTAYPOL'SKAYA, M.S., tekhn. red.

[Strength of steam-turbine elements] Prochnost' elementov paro-
vykh turbin. Pod red. L.A.Shubenko-Shubina. Moskva, Mashgiz,
1962. 567 p. (MIRA 16:2)

1. Chlen-korrespondent Akademii nauk Ukr.SSR (for Shubenko-Shubin).
(Steam turbines)

VYSHNEPOL'SKIY, Isaak Samuilovich; TRZHETSYAK, Leonid Isayevich;
GROYS, Kh.L., nauchnyy red.; SUKHAREVA, R.A., red.;
DORODNOVA, L.A., tekhn. red.

[Methods of teaching mechanical drawing; in vocational and
technical schools] Metodika prepodavaniia chercheniia v pro-
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Biul.tekh.-ekon.inform. no.2:9-12 '62. (MIRA 15:3)
(Electroplating--Equipment and supplies)

TRZHETSYAK, Mikhail Apatol'yevich; AKATOVA, N.V., inzh., red.;
FOVICHEV, A.G., red. izd-va; GVIRTS, V.L., tekhn. red.

[New type of automatic electroplating machines; transcript of
lectures] Novye tipy avtomatov dlia nanesenia gal'vanicheskikh
pokrytii; stenogramma lektsii. Leningrad, 1961. 38 p.
(MIRA 15:5)

(Electroplating--Equipment and supplies)
(Automatic control)

PLATE 1 BOOK REPRODUCTION

007/12115

Автоматизация механических процессов в машиностроительной промышленности (автоматизация механических процессов в машиностроительной промышленности) (Moscow, 1979. 398 p. Russian edn inserted. 6,000 copies printed.

General Ed. I. M. Koshoviy, Professor N. P. Babitskiy, Graduate of Technical Sciences Doctor, and Ye. V. Miller, Graduate of Technical Sciences, Doctor, Ed. of Publishing House "V. Leningrad and K.A. Gubkin Tech. Sci. O.", Symposium, Meeting-Ed. for Literature on Machine-Building Technology (Leningrad, 1970), Nauka; English.

PERSONS: This book is intended for technical personnel.

smaller plants with the automation of mechanical molding processes in extrusion production is highlighted. The use of hydraulic extruders allows smaller production and practical equipment is the introduction of new alloys which is explained, and practical experience is the improvement of such alloys. The extrusion of aluminum alloys is described. The improvement of such alloys, the technical and economic effects resulting from their usage, and methods of extruding various types of aluminum, for instance of hydraulic valve parts are described. Remarks are made upon problems of progress control, especially

For the simplest electrical systems, and a number of the original systems are described, attention is given to the growing problem of the increasing number of systems. The systems are described. There are 77 references. 66 Soviet and 11 English.

Experience gained in the use of hydraulic
hydraulic and air lift systems.
experience gained in the use of hydraulic
lift systems in the production

Bartley, H.S., and V.S. Tretner. V.S. Tretner's Hydraulic Copying Slide
Box

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INDUSTRIAL, MODERN FORMS

Design of a Digital Program Control for the Automation of Machine Tools in Small-to-Medium Production

239

Verrijkt met 0,5% Brijol, 0,0% Korniteno en 3,5% Kornilow
speciaal Capsulend Device for Controling Machine Tools During
Production of Special Casted Casters.

167

Raygun, A.M., and E.A. Derrin. Boeing Machine Model 202M with
Physical Control

189

Wlasow, M.G., Yu. B. Gerasimenko, and M.A. Trubetsky. Drilling
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202

Ref. 44. The Use of Piezoelectric Transducers as Belling Devices in Program Control Systems

25

Drafting, P.T. - Personal Program Control With Relay-Contact Devices for Setting the Magnitude of Tool Displacements

202

Public Law 94-143 - Individuals with Disabilities Education Act

3

Barnes, A.P. Experience Gained in the Use of the Sigma Program
Control System in Sigma Labs (J.A. Smith, Candidate of Technical Sciences)

4

SECTION III.

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GROUP MATHEMATICS SECTION

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ESTHER, L. - The New Model 1140 Single-Spindle Automatic Lathe

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VIJ. Gentry, L.H., and G.V. Borodachenko. Mechanization of Assembly and Adjustment of Rolling at the Tard Tard Tard (Plant Tard Tard)

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TK/PM/ma
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TRZHEKAL, L.I.

Vacuum gauge for measuring absolute pressure or the percentage of vacuum in steam turbine condensing apparatus. [Ind.] Sekts. prib. tepl. kontr. LONITOPRIBOR no.1:144-149 '53. (MIRA 8:7)
(Vacuum gauges)

463

Author : Trzhiska-Pavel.

Title : Supplement to the Measurement of the Coefficient of Reflection of Long Waves (Measurement of Frequency of Polarization Fading).

Orig Pub : Geofys. sbor. 1956, Praha, 1957, No 36-60, 719-725

Abstract - Description of a device for the automatic setting of the speed of polarization fading of light in the binary, all-in representation, an adapted form of ordinary two-speed telegraphy, used for measuring the speed of change of polarization of light signals. The intended, independent, fading and the two-speed operation of the device is based on a 90° rotator. The current flowing through it has a polarity that depends on the polarity of the fading. This current, suitably amplified, controls the operation of a polarized relay, which fixes the change in the direction of the current, i.e., fixes each period of fading. The time constant of the operation of

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ACC NR: AP6002749

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RB/GW/WS-2

AUTHOR: Lauter, Ye. A.; Trzhiska, P.

SOURCE CODE: UR/0203/65/005/006/1046/1051

ORG: Icnospheric Research Observatory in Kuhlungsborn, GDR (Observatoriya ionosfernykh issledovaniy)

TITLE: Annual variation of absorption in the ionosphere in the medium and long-wave regions

SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 6, 1965, 1046-1051

TOPIC TAGS: ionospheric absorption, ionospheric radio wave

ABSTRACT: The authors compare the results of absorption measurements (atmospheric probe method) in the middle latitudes on equivalent frequencies of 125, 185, 730, and 1000 kc. A strong reduction is observed in the intensity of the winter anomaly as the frequency decreases. Measurements at a constant zenith angle χ show that the winter anomaly increases with altitude in the mesopause region. The absorption shown a minimum at all frequencies in the spring (April). It is shown that the annual behavior of absorption in the 150-500-ke range has two sharply defined maxima--one in the summer and one in the winter. A summer (May-September) anomaly of increased absorption predominates in the lower

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frequency region. Absorption anomalies are also nearly fully developed at solar zenith angles between 100 and 9.0°. Therefore if the relationship $\cos^n \chi$ is used to describe the diurnal variation in total absorption, the exponent n is underestimated. The authors discuss the significance of the observed annual variations of processes in the D layer of the ionospheric plasma with regard to the structure and dynamics of the mesosphere. Orig. art. has: 3 figures, 1 table, and 2 formulas. [14]

SUB CODE: 17, 04 SUBM DATE: 03Apr65/ ORIG REF: 000/ OTH REF: 000/
ATD PRESS: 4163

JW
Card 2/2

PRUGONITSE, YAN [Budkov, Jan]; KOCH, Alois [Koch, A.], kand. fiz.-mat. nauk, inzh.
 MRAZEK, Frantisek [Mrazek, Frantisek]; SMIDT, Zdenek
 [Smid, Zdenek]; PRUGONITSE, Alois [Prugonitse, Alois]
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 toriakh Prugonitse, Budkov i Panská Ves v techenie 1959
 goda. Prague, Izd-vo Czechoslovatskoi Akad. nauk, 1962.
 742 p. (MIRA 16:7)

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 [Pruhonice] u Pragi (for Koch). 2. Nachal'nik ionosferного
 otdela Geomagnetnoy observatorii Prugonitse [Pruhonice] u
 Pragi (for Mrazek).

(Czechoslovakia--Geophysics--Observations)

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Chemical mechanism of alkyl phenyl ether conversions under high pressures and at high temperatures. Kin. i kat. 6 no.2:346-350 Mr-Ap '65.
(MIRA 18:7)

1. Institut ugle- i neftekhimicheskogo sinteza, gorod Angarsk.